

ABSTRACT

A system for positioning an object about a remote center of rotation. A non-movable part provides a stationary reference structure. A movable part moves relative to the non-movable part. A connector coupled between the movable part and the object positions the object adjacent the remote center of rotation and rotates it about the remote center of rotation responsive to movement of the movable part. Movement of the connector responds movement of the movable part. First and second force transmitting components coupled to the movable part move the movable part and the connector in first and second directions, respectively.

10 Movement of the connector in the first direction rotates the object about a first axis passing through the remote center of rotation. Movement of the connector in the second direction rotates the object about a second axis passing through the remote center of rotation.